

WNYRIC STANDARDS**Add/Change Request Form**

Submitted By:

Name Iann MillerSchool District Ken-TonDate 11-10-16Telephone Number 716-597-1006E-Mail ID imiller@ktufsd.orgHardware or Software Recommended Juniper networking equipment

Standards Category:

New:

Existing:

Communications Equipme

Action Requested:

Add:

Modify:

Routers/Switches

Remove:

Product Name:

Juniper

Product Manufacturer:

Juniper

Product Description:

Juniper newtorking equipment

(Attach Product Technical Sheets)

Juniper networking equipment. SRX, EX, MX, and QFX. SRX has routing, switching, and firewall. EX4600 for an MDF has no downtime with reboots. QFX5100 has no downtime for iSCSI/server/core connections. Zero touch software installs and config pushes.

Additional Comments:

EX2300/3400/4300 for Access Layer switching.

Virtual Chassis allows "stacking" between disparate closets. Similar OS and CLI between switch models."commit" command structure allows easy rollback when switches go down.

EVALUATION CRITERIA

A. Product Reliability

1. Vendor / Product track record

The WNYRIC Data Center and core network runs all Juniper equipment.

Much of AT&T's and Verizon's network runs on Juniper.

2. Vendor support required

Yes, Juniper provides maintenance.

Limited Lifetime on most switch models.

Extended maintenance is available for purchase.

3. Ease of use

J-Web is very similar to Avaya web utility.

The cli is very well documented in training materials online and books.

ZTP allows a switch to be setup by just plugging it in.

ZTP gives switch a config and new software automatically.

4. Support required by RIC / school district

Schools can support it themselves.

The RIC can also easily support it for/with districts.

5. Potential to become "White Elephant"

Juniper is cheaper than Cisco. It has a proven track record.

It is high quality equipment. The company has been around a long time.

I see it as a great 3rd alternative for WNYRIC districts.

6. Training requirements

CBT Nuggets are available. Juniper has a series of books.

There are trainings in the area. Many forums, sites, and videos available.

There is a long line of Juniper certifications.

B. Product-Price / Acquisition

1. Cost effectiveness

It is cheaper than Cisco, but more expensive than Avaya.

It seems to be a good 3rd option for WNYRIC districts.

2. Acquire via NYS Contract or local bid

Yes, it is on NYS Contract.

3. Cost of operation and support

District can support themselves and/or with WNYRIC help.

Juniper resellers provide support, in addition. JTAC.

4. Do any legal or contractual issues exist

No.

C. Product-Relationship to Other Standards

1. Compatibility to existing Standards

Juniper supports all major standards based protocols.

It interoperates well with Avaya and Cisco.

2. What other options are available

Avaya and Cisco are both on Standards and interoperates with them well.

3. Relationship to previous research and changes since that time

Juniper has emerged as a good campus switch maker.

D.

BOCES-Service Needs

1. Define and explain the current need

An alternative to Avaya and Cisco. Juniper is a great mix of quality and cost. Any district who can't afford Cisco has to be Avaya. QFX5100 and EX460 allow for reboots with no downtime for iSCSI and MDF.

2. What existing CoSer and RIC Service does it fall under

Technology Services - WAN

3. What is the scope and size of the school population to be served

Whole districts, including my own district, Kenton. 7000 students.
200 staff.

4. Instructional and/or administrative goal supported

Administrative goal of alternatives to Cisco with lower costs plus quality.
Instructional goal of more 1:1 devices with saved money.

5. Results of survey determining school district interest in using this product

The district administration is behind this effort to support Juniper. Kenton did a proof of concept and is happy with the cost vs features.

Signature of person making request Iann Miller